

ABSTRACT OF THE INVENTION

5 The invention described herein consists of an
oxygen deliver source for local blood or tissue
oxygenation. The invention consists of porous
polymer structures being part of a medical device
from which a liquid oxygen carrier is locally or
systemically released. The substrate membrane
10 impregnated with the oxygen carrier may be a part
of a tube, a balloon, a perfusion balloon, a stent
and a wire. The substrate membrane is sealed with
a removable housing for the oxygen carrier to allow
storage of the medical device.

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